



# DIRECTED PRACTICE

## MATERIALS



a plastic  
drinking straw



thin aluminum  
pan



scissors



knitting needles

## Make a Turbine



**Ask a question:** How can you make a turbine?

- 1 With the help of an adult, use a knitting needle to make a hole in the middle of the aluminum pan. The hole should be big enough for the straw.
- 2 Using scissors, carefully cut slits around the edge of the pan.

- 3** Carefully bend out one side of each slit so that the turbine catches the water.
- 4** Insert and fix the straw in the hole of the pan. Insert a knitting needle through the straw so that the turbine can spin. Hold the turbine in the stream of water from a tap.
- 5** **Record your observations.**  
Describe how your turbine works.

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- 6** **Communicate**  
How could you improve your turbine?

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